

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 4

Complete if Known

Application Number	10/680,639
Filing Date	October 7, 2003
First Named Inventor	David C. Dunand
Art Unit	1742
Examiner Name	Ngoclan Thi Mai
Attorney Docket Number	6513-DIV

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
mm		ZHU, Y. et al., "Microstructure and Structural Defects in MgB ₂ Superconductor," <i>Physica C: Superconductivity and Its Applications</i> , August 2001, 356(4), p. 239-53 (Abstract only).	
		GIUNCHI, GIOVANNI, "High Density MgB ₂ Obtained by Reactive Liquid Mg Infiltration," Los Alamos National Laboratory, Preprint Archive, Condensed Matter, 1-8, arXiv:cond-mat/0208040, 2002.	
		RAFAILOV, P. M., et al., "The Raman Spectra of MgB ₂ and Its Potential Impurity Phases," <i>Physica Status Solidi B: Basic Research</i> , June 11, 2001, 226(2), R9-R11.	
		WILSON, ET AL. "Reaction of magnesium boride particles in mechanically alloyed Ti-4wt%MgB ₂ ", <i>Journal of Materials Science</i> , 2001, p. 67-75, Vol. 36, Kluwer Academic Publishers.	
		SHARONI, ET AL. "Spatial variations of the superconductor gap structure in MgB ₂ /Al composite", <i>Institute of Physics Publishing</i> , April 26, 2001, p. L503-L508, Matter 13, IOP Publishing Ltd.	
		SOLTANIAN, ET AL. "High-transport critical current density above 30 K in pure Fe-clad MgB ₂ tape", <i>Physica C</i> , 2001, p. 84-90, Elsevier Science B.V.	
		WANG, ET AL. "Very fast formation of superconducting MgB ₂ /Fe wires with high J _c ", <i>Physica C</i> , 2001, p. 149-155, Elsevier Science B.V.	
		KITAGUCHI, ET AL. "Strain effect in MgB ₂ /stainless steel superconducting tape", <i>Physica C</i> , 2001, p. 198-201, Elsevier Science B.V.	
		SONG, ET AL. "Single-filament composite MgB ₂ /stainless-steel ribbons by powder-in-tube process", <i>Physica C</i> , 2002, p. 21-26, Elsevier Science B.V.	
		GOLDACKER, ET AL. "Influence of mechanical reinforcement of MgB ₂ wires on the superconducting properties", <i>Physica C</i> , 2002, p. 889-893, Elsevier Science B.V.	
mm		TACHIKAWA, ET AL. "Effects of metal powder addition on the critical current in MgB ₂ tapes", <i>Physica C</i> , 2002, p. 108-112, Elsevier Science B.V.	

Examiner Signature	Ngoclan Mai	Date Considered	7-1-04
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M-m		JIN, ET AL. "High critical currents in iron-clad superconducting MgB ₂ wires", <i>Nature</i> , May 31, 2001, p. 563-565, Macmillan Magazines Ltd.	
		CANFIELD, ET AL. "Superconductivity in Dense MgB ₂ Wires", <i>Physical Review Letters</i> , March 12, 2001, p. 2423-2426, Vol. 86, Number 11, The American Physical Society 2001.	
		MARTINEZ, ET AL. "Study of Ag and Cu/ MgB ₂ powder-in-tube composite wires fabricated by <i>in situ</i> reaction at low temperatures", <i>Superconductor Science and Technology</i> , 2002, p. 1043-1047, IOP Publishing Ltd.	
		PACHLA, ET AL. "Structural inhomogeneity of superconducting <i>ex situ</i> MgB ₂ /Cu wires made by the powder-in-tube technique", <i>Superconductor Science and Technology</i> , 2002, p. 1281-1287, IOP Publishing Ltd.	
		KOVAC, ET AL. "Structure, grain connectivity and pinning of as-deformed commercial MgB ₂ powder in Cu and Fe/Cu sheaths", <i>Superconductor Science and Technology</i> , 2002, p. 1127-1132, IOP Publishing Ltd.	
		EISTERER, ET AL. "Enhanced transport currents in Cu-sheathed MgB ₂ wires", <i>Superconductor Science and Technology</i> , 2002, p. 1088-1091, IOP Publishing Ltd.	
		SUO, ET AL. "Fabrication and transport critical currents of multifilamentary MgB ₂ /Fe wires and tapes ", <i>Superconductor Science and Technology</i> , 2002, p. 1058-1062, IOP Publishing Ltd.	
		SONG, ET AL. "Anisotropic grain morphology, crystallographic texture and their implications for flux pinning mechanisms in MgB ₂ pellets, filaments and thin films", <i>Superconductor Science and Technology</i> , 2002, p. 511-518, IOP Publishing Ltd.	
		WU, ET AL. "Superconducting MgB ₂ Nanowires", <i>Advanced Materials</i> , October 2, 2001, Vol. 13, No. 19, p. 1487-1489, WILEY-VCH Verlag GmbH.	
		CUNNINGHAM, ET AL. "Synthesis and processing of MgB ₂ powders and wires", <i>Physica C</i> , 2001, p. 5-10, Elsevier Science B.V.	
M-m		LOUIS, ET AL. "Pressure infiltration of packed ceramic particulates by liquid metals", <i>Acta Materialia</i> , December 10, 1999, p. 4461-4479.	

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nm		UNKNOWN. "Transactions of the Indian", <i>Institute of Metals</i> , December 1997, p. 665-674.	
		GLOWACKI, ET AL. "Superconductivity of powder-in-tube MgB ₂ wires", <i>Superconductor Science & Technology</i> , April 2001, p. 193-199.	
		ZHANG, ET AL. "Structure and superconductivity of Mg(B1-xCx)(2) compounds", <i>Chinese Physics</i> , April 2001, p. 335-337.	
		GOLDACKER, ET AL. "High transport currents in mechanically reinforced MgB ₂ wires", <i>Superconductor Science and Technology</i> , 2001, p. 787-793, IOP Publishing Ltd.	
		FUJII, ET AL. "Influence of MgB ₂ powder quality on the transport properties of Cu-sheathed MgB ₂ tapes", <i>Physica C</i> , 2001, p. 237-242, Elsevier Science B.V.	
		ZHOU, ET AL. "Single- and multi-filamentary Fe-sheathed MgB ₂ wires", <i>Physica C</i> , 2002, p. 349-354, Elsevier Science B.V.	
		KUMAKURA, ET AL. "Microstructure and superconducting properties of powder-in-tube processed MgB ₂ tapes", <i>Physica C</i> , 2002, p. 93-97, Elsevier Science B.V.	
		MICHAUD, Liquid-State Processing, Thesis, Department of Materials Science and Engineering, Massachusetts Institute of Technology, Cambridge, MA, 1991, Pages 3-22.	
		MORTENSEN, ET AL., Solidification processing of metal matrix, International Materials Reviews, Volume 37, No. 3, 1992, Pages 101-128.	
nm			

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